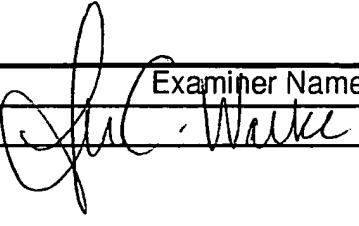


ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	MATERIALS AND METHODS FOR IMPRINT LITHOGRAPHY																																																																																																																																																														
<p>Application Number : 10/763885 </p> <p>Confirmation Number: 6002</p> <p>First Named Applicant: Frank Xu</p> <p>Attorney Docket Number: P113-55-03</p> <p>Art Unit: 1752</p> <p>Examiner: Amanda C. Walke</p> <p>Search string: (6468642 or 5542978 or 5837314 or 6565776 or 6503914 or 6649272 or 6204343 or 4614667 or 3810874 or 6737489 or 6721529 or 6664306 or 6790905 or 6544594 or 6774183 or 6830819 or 6802870 or 5389696).pn</p>																																																																																																																																																															
<h2>US Patent Documents</h2> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>6468642</td><td>2002-10-22</td><td>Bray et al.</td><td>B1</td><td></td><td></td></tr><tr><td></td><td>2</td><td>5542978</td><td>1996-08-06</td><td>Kindt-Larsen et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>5837314</td><td>1998-11-17</td><td>Beaton et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>6565776</td><td>2003-05-20</td><td>Li et al.</td><td>B1</td><td></td><td></td></tr><tr><td></td><td>5</td><td>6503914</td><td>2003-01-07</td><td>Benish et al.</td><td>B1</td><td></td><td></td></tr><tr><td></td><td>6</td><td>6649272</td><td>2003-11-18</td><td>Moore et al.</td><td>B2</td><td></td><td></td></tr><tr><td></td><td>7</td><td>6204343</td><td>2001-03-20</td><td>Barucha et al.</td><td>B1</td><td></td><td></td></tr><tr><td></td><td>8</td><td>4614667</td><td>1986-09-30</td><td>Larson et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>3810874</td><td>1974-05-14</td><td>Mitsch et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>10</td><td>6737489</td><td>2004-05-18</td><td>Linert et al.</td><td>B2</td><td></td><td></td></tr><tr><td></td><td>11</td><td>6721529</td><td>2004-04-13</td><td>Chen et al.</td><td>B2</td><td></td><td></td></tr><tr><td></td><td>12</td><td>6664306</td><td>2003-12-16</td><td>Gaddam et al.</td><td>B2</td><td></td><td></td></tr><tr><td></td><td>13</td><td>6790905</td><td>2004-09-14</td><td>Fitzgerald et al.</td><td>B2</td><td></td><td></td></tr><tr><td></td><td>14</td><td>6544594</td><td>2003-04-08</td><td>Linford et al.</td><td>B2</td><td></td><td></td></tr><tr><td></td><td>15</td><td>6774183</td><td>2004-08-10</td><td>Palumbo et al.</td><td>B1</td><td></td><td></td></tr><tr><td></td><td>16</td><td>6830819</td><td>2004-12-14</td><td>Kaplan et al.</td><td>B2</td><td></td><td></td></tr><tr><td></td><td>17</td><td>6802870</td><td>2004-10-12</td><td>Chang et al.</td><td>B2</td><td></td><td></td></tr><tr><td></td><td>18</td><td>5389696</td><td>1995-02-14</td><td>Dempsey et al.</td><td></td><td></td><td></td></tr></tbody></table> <p>Signature</p>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	1	1	6468642	2002-10-22	Bray et al.	B1				2	5542978	1996-08-06	Kindt-Larsen et al.					3	5837314	1998-11-17	Beaton et al.					4	6565776	2003-05-20	Li et al.	B1				5	6503914	2003-01-07	Benish et al.	B1				6	6649272	2003-11-18	Moore et al.	B2				7	6204343	2001-03-20	Barucha et al.	B1				8	4614667	1986-09-30	Larson et al.					9	3810874	1974-05-14	Mitsch et al.					10	6737489	2004-05-18	Linert et al.	B2				11	6721529	2004-04-13	Chen et al.	B2				12	6664306	2003-12-16	Gaddam et al.	B2				13	6790905	2004-09-14	Fitzgerald et al.	B2				14	6544594	2003-04-08	Linford et al.	B2				15	6774183	2004-08-10	Palumbo et al.	B1				16	6830819	2004-12-14	Kaplan et al.	B2				17	6802870	2004-10-12	Chang et al.	B2				18	5389696	1995-02-14	Dempsey et al.			
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Examiner Name	Date
 John Walker	June 8, 2005



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Application Number	10/763,885
Filing Date	01/23/2004
First Named Inventor	Xu et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	P113/MII-79-61-03

U.S. PATENT DOCUMENTS

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Application Number	10/763,885
Filing Date	01/23/2004
First Named Inventor	Xu et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	P113/MII-79-61-03

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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	A18	KRUG et al., "Fine Patterning of Thin Sol-Gel Films," Journal of Non-Crystalline Solids, 1992, pp. 447-450, vol. 147 & 148.	
AKW	A19	Krauss et al., "Fabrication of Nanodevices Using Sub-25nm Imprint Lithography," Appl. Phys. Lett 67(21), 3114-3116, 1995	
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	A21	CHOU et al., "Imprint Lithography with 25-Nanometer Resolution," Science, Apr. 5, 1996, pp. 85-87, vol. 272.	
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	A26	COLBURN. et al., "Step and Flash Imprint Lithography: A New Approach to High-Resolution Patterning", Proc. of SPIE, 1999, pp. 379-389, vol. 3676.	
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Examiner
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Julia C. Walker

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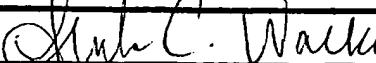
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ACW	A29	CHOI et al., "Design of Orientation Stages for Step and Flash Imprint Lithography," Precision Engineering, Journal of the International Societies for Precision Engineering and Nanotechnology, 2001, pp. 192-199, vol. 25.	
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ACW	A39	CHOI et al., "A Chucking System and Method for Modulating Shapes of Substrates," U.S. Patent Application 10/293,224. Filed with USPTO on November 13, 2002.	

Examiner Signature		Date Considered	11/8/05
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Application Number	10/763,885
Filing Date	01/23/2004
First Named Inventor	Xu et al.
Group Art Unit	Unassigned
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Attorney Docket Number	P113/MII-79-61-03

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ANW	A40	VOISIN, "Methods of Inspecting A Lithography Template," U.S. Patent Application 10/293,919. Filed with USPTO on November 13, 2002	
	A41	CHOI et al., "A Method For Modulating Shapes of Substrates," U.S. Patent Application 10/316,963. Filed with USPTO on December 11, 2002.	
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Examiner
Signature*John C. Walker*Date
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Sheet

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Application Number	10/763,885
Filing Date	01/23/2004
First Named Inventor	Xu et al.
Group Art Unit	1752
Examiner Name	Amanda C. Walke
Attorney Docket Number	P113-55-03

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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ACW	B34	4,808,511		Holmes	02-28-1989	

Examiner Signature

Amanda C. Walke

Date Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

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Complete if Known

Application Number	10/763,885
Filing Date	01/23/2004
First Named Inventor	Xu et al.
Group Art Unit	1752
Examiner Name	Amanda C. Walke

Attorney Docket Number

P113-55-03

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
<i>AM</i>	B35	4,826,943		Ito et al.	05-02-1989	
	B36	4,846,931		Gmitter et al.	07-11-1989	
	B37	4,848,911		Uchida et al.	07-18-1989	
	B38	4,857,477		Kanamori	08-15-1989	
	B39	4,883,561		Gmitter et al.	11-28-1989	
	B40	4,891,303		Garza et al.	01-02-1990	
	B41	4,908,298		Hefferon et al.	03-13-1990	
	B42	4,919,748		Bredbenner et al.	04-24-1990	
	B43	4,921,778		Thackeray et al.	05-01-1990	
	B44	4,929,083		Brunner	05-29-1990	
	B45	4,931,351		McColgin et al.	06-05-1990	
	B46	4,959,252		Bonnebat et al.	09-25-1990	
	B47	4,964,945		Calhoun	10-23-1990	
	B48	4,976,818		Hashimoto et al.	12-11-1990	
	B49	4,980,316		Huebner	12-25-1990	
	B50	4,999,280		Hiraoka	03-12-1990	
	B51	5,053,318		Gulla et al.	10-01-1991	
	B52	5,063,321		Carter	11-05-1991	
	B53	5,071,694		Uekita et al.	12-10-1991	
	B54	5,072,126		Progler	12-10-1991	
	B55	5,073,230		Maracas et al.	12-17-1991	
	B56	5,074,667		Miyatake	12-24-1991	
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	B58	5,110,514		Soane	05-05-1992	
	B59	5,126,006		Cronin et al.	06-30-1992	
	B60	5,148,036		Matsugu et al.	09-15-1992	
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	B66	5,198,326		Hashimoto et al.	03-30-1993	
	B67	5,204,739		Domenicall	04-20-1993	
<i>AM</i>	B68	5,205,983		Guckel et al.	05-04-1993	

Examiner Signature

Amanda C. Walke

Date Considered

June 8, 2005

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Sheet

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Application Number	10/763,885
Filing Date	01/23/2004
First Named Inventor	Xu et al.
Group Art Unit	1752
Examiner Name	Amanda C. Walke

Attorney Docket Number

P113-55-03

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
ACW	B69	5,212,147		Sheats	05-18-1993	
	B70	5,234,793		Sebald et al.	08-10-1993	
	B71	5,240,550		Boehnke et al.	08-31-1993	
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	B73	5,242,711		DeNatale et al.	09-07-1993	
	B74	5,244,818		Jokerst et al.	09-14-1993	
	B75	5,259,926		Kuwabara et al.	09-09-1993	
	B76	5,270,984	A	Mine	12-14-1993	
	B77	5,277,749		Griffith et al.	01-11-1994	
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	B87	5,376,810		Hoenk et al.	12-27-1994	
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	B100	5,468,542		Crouch	11-21-1995	
	B101	5,480,047		Tanigawa et al.	01-02-1996	
ACW	INTENTIONAL		BLANK			
Examiner Signature	<i>Amanda C. Walke</i>			Date Considered	<i>June 8, 2005</i>	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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Application Number	10/763,885
Filing Date	01/23/2004
First Named Inventor	Xu et al.
Group Art Unit	1752
Examiner Name	Amanda C. Walke

Attorney Docket Number P113-55-03

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
<i>AM</i>	B102	5,515,167		Ledger et al.	05-07-1996	
	B103	5,523,878		Wallace et al.	06-04-1996	
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	B107	5,633,505		Chung et al.	05-27-1997	
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	B109	5,670,415		Rust	09-23-1997	
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	B121	5,802,914		Fassler et al.	09-08-1998	
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<i>AM</i>	B135	6,033,977		Gutsche et al.	03-07-2000	

Examiner Signature *Amanda C. Walke*

Date Considered *June 8, 2005*

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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Application Number	10/763,885
Filing Date	01/23/2004
First Named Inventor	Xu et al.
Group Art Unit	1752
Examiner Name	Amanda C. Walke

Attorney Docket Number P113-55-03

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		Number	Kind Code ² (if known)			
AC	B136	6,035,805		Rust	03-14-2000	
	B137	6,038,280		Rossiger et al.	03-14-2000	
	B138	6,046,056		Parce et al.	04-04-2000	
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	B147	6,150,231		Muller et al.	11-21-2000	
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	B150	6,180,239	B1	Whitesides et al.	01-30-2001	
	B151	6,188,150	B1	Spence	02-13-2001	
	B152	6,204,922	B1	Chalmers	03-20-2001	
	B153	6,218,316	B1	Marsh	04-17-2001	
	B154	6,245,581	B1	Bonser et al.	06-12-2001	
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	B156	6,326,627	B1	Putvinski et al.	12-04-2001	
	B157	6,329,256	B1	Ibok	12-11-2001	
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	B162	6,411,010	B1	Suzuki et al.	06-25-2002	
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Examiner
Signature

A.C. Walke

Date
Considered

June 8, 2005

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/763,885
Sheet	6	of	17	Filing Date	01/23/2004
				First Named Inventor	Xu et al.
				Group Art Unit	1752
				Examiner Name	Amanda C. Walke
				Attorney Docket Number	P113-55-03

U.S. PATENT DOCUMENTS						
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ACW	B170	6,534,418	B1	Plat et al.	03-18-2003	
	B171	6,541,360	B1	Plat et al.	04-01-2003	
	B172	6,561,706		Singh et al.	05-13-2003	
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	B174	6,632,742	B2	Yang et al.	10-14-2003	
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ACW	B200	2004/0010341	A1	Watts et al.	01-15-2004	
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ACW	B203	2004/0053146	A1	Sreenivasan et al.	03-18-2004	
Examiner Signature	<i>Amanda C. Walke</i>			Date Considered	<i>June 8, 2005</i>	

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				Filing Date	01/23/2004
				First Named Inventor	Xu et al.
				Group Art Unit	1752
				Examiner Name	Amanda C. Walke
Sheet	7	of	17	Attorney Docket Number	P113-55-03

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	B213	2004/0141168	A1	Sreenivasan et al.	07-22-2004	
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	B215	2004/0163563	A1	Sreenivasan et al.	08-26-2004	
	B216	2004/0168586	A1	Bailey et al.	09-02-2004	
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ACW						
Examiner Signature	<i>Amanda C. Walke</i>			Date Considered	<i>June 8, 2005</i>	

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				Application Number	10/763,885
				Filing Date	01/23/2004
				First Named Inventor	Xu et al.
				Group Art Unit	1752
				Examiner Name	Amanda C. Walke
Sheet	8	of	17	Attorney Docket Number	
P113-55-03					

FOREIGN PATENT DOCUMENTS

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Sheet

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Application Number

10/763,885

Filing Date

01/23/20904

First Named Inventor

Xu et al.

Group Art Unit

1752

Examiner Name

Amanda C. Walke

Attorney Docket Number

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<i>ACW</i>	B249	Abstract of Japanese Patent 02-24848, January 26, 1990	
	B250	Abstract of Japanese Patent 02-92603, August 12, 2004	
	B251	Abstract of Japanese Patent 55-88332, April 14, 2004	
	B252	Abstract of Japanese Patent 57-7931, April 14, 2004	
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Application Number	10/763,885
Filing Date	01/23/2004
First Named Inventor	Xu et al.
Group Art Unit	1752
Examiner Name	Amanda C. Walke
Attorney Docket Number	P113-55-03

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Application Number	10/763,885
Filing Date	01/23/2004
First Named Inventor	Xu et al.
Group Art Unit	1752
Examiner Name	Amanda C. Walke

Attorney Docket Number P113-55-03

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Application Number	10/763,885
Filing Date	01/23/2004
First Named Inventor	Xu et al.
Group Art Unit	1752
Examiner Name	Amanda C. Walke
Attorney Docket Number	P113-55-03

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Application Number	10/763,885
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<i>Aen</i>	B293	MERLET, "Parallel Manipulators: State of the Art and Perspectives.", Advanced Robotics, January 1, 1994, Vol. 8, pp. 589-596.	
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<i>Aen</i>	B303	PAROS et al., "How to design Flexure Hinges.", Machine Design, November 25, 1965, pp 151-156.	

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	B323	TOMITA et al., "A 6-axes Motion Control Method for Parallel-Linkage-Type Fine Motion Stage.", JSPE-58-04, pp. 118-124.	
	B324	Translation of Japanese Patent 02-24848, January 26, 1990.	
ACW	B325	Translation of Japanese Patent 02-92603, April 3, 1990.	

Examiner Signature

Amanda C. Walke

Date Considered

6/8/05

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

16

of

17

Complete if Known

Application Number	10/763,885
Filing Date	01/23/2004
First Named Inventor	Xu et al.
Group Art Unit	1752
Examiner Name	Amanda C. Walke
Attorney Docket Number	P113-55-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ACW	B326	TRILOGY SYSTEMS, "Linear Motors 310.", www.trilogysystems.com, January 1, 2001.	
	B327	US Application No. 10/375,817, Filed 02-27-2003, NGUYEN et al., "Method to Reduce Adhesion between a Polymerizable Layer and a Substrate Employing a Fluorine-Containing Layer."	
	B328	US Application No. 10/463,396, Filed 06-17-2003, CHOI et al., "Method to Reduce Adhesion Between a Conformable Region and a Pattern of a Mold."	
	B329	US Application No. 10/735,110, Filed 12-12-2003, NIMMAKAYALA et al., "Magnification Correction Employing Out-of-Plane Distortion of a Substrate."	
	B330	US Application No. 10/785,248, Filed 02-24-2004, CHOI et al., "A Method to Control the Relative Position Between a Body and a Surface."	
	B331	US Application No. 10/788,700, Filed 02-27-2004, SREENIVASAN et al., "Full-Wafer or Large Area Imprinting with Multiple Separated Sub-Fields for High Throughput Lithography."	
	B332	US Application No. 10/806,956, Filed 03-23-2003, CHOI et al., "An Apparatus to Control Displacement of a Body Spaced-Apart from a Surface."	
	B333	US Applications No. 10/194,991, Filed 07-11-2002, SREENIVASAN et al., "Step and Repeat Lithography Processes."	
	B334	US Applications No. 10/687,519, Filed 10-16-2003, NGUYEN et al., "Low Surfaced Energy Template."	
	B335	VANDERBILT UNIVERSITY OFFICE OF TRANSFER TECHNOLOGY; VU9730 Specifications for Improved Flexure Device; 2001, 25, 192-199.	
ACW	B336	WANG et al., "Passive Compliance versus Active Compliance in Robot-Based Automated Assembly Systems.", Industrial Robot, January 1, 1998, Vol. 25, No. 1, pp. 48-57.	

Examiner Signature

Amanda C. Walke

Date Considered

June 8, 2005

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 17 of 17

Complete if Known

Application Number	10/763,885
Filing Date	01/23/2004
First Named Inventor	Xu et al.
Group Art Unit	1752
Examiner Name	Armanda C. Walke
Attorney Docket Number	P113-55-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>Arv</i>	B337	WILLIAMS et al., "Six Degree of Freedom Mag-Lev Stage Development.", SPIE, January 1, 1997, Vol. 3051, pp. 856-867.	
	B338	WILLSON et al., "Step and Flash Imprint Lithography", U.S. Patent Application 10/806,051, Filed with USPTO March 22, 2004.	
	B339	WU, "Large Area High Density Quantized Magnetic Disks Fabricated Using Nanoimprint Lithography.", J. Vac. Sci. Technol., November 1, 1998, B 16(6), pp. 3825-3829.	
	B340	XIA et al., "Soft Lithography.", Annu Rev. Mater Sci. 1998 28: 153-184	
	B341	XIA et al., "Soft Lithography.", Angew. Chem. Int. Ed., January 1, 1998, pp. 551-575.	
	B342	XU et al., "Materials for Imprint Lithography," U.S. Patent Application 10/784,911, Filed with USPTO Feb. 23, 2004.	
<i>Arv</i>	B343	XU et al., "Methods for Fabricating Patterned Features Utilizing Imprint Lithography,: U.S. Patent Application 10/694,284, Filed with USPTO Oct., 27, 2003.	

Examiner Signature

Arvinda C. Walke

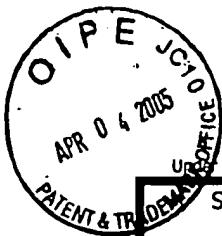
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Sheet 1 of 5

APPLICATION NUMBER	10/763,885
FILING DATE	01/23/2004
FIRST NAMED INVENTOR	Xu et al.
Group Art Unit	1752
Examiner Name	Walke, Amanda C.
Attorney Docket Number	P113-55-03

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

ACW	C1	6,391,217	B2	Schaffer et al.	5/21/2002	
	C2	2004/0007799	A1	Choi et al.	1/15/2004	
	C3	2004/0021254	A1	Sreenivasan et al.	2/5/2004	
	C4	2004/0021866	A1	Watts et al.	2/5/2004	
	C5	2004/0022888	A1	Sreenivasan et al.	2/5/2004	
	C6	2002/0177319	A1	Chou	11/28/2002	
	C7	6,518,189	B1	Chou	2/11/2003	
	C8	2004/0192041	A1	Jeong et al.	9/30/2004	
	C9	6,828,244	B2	Chou	12/7/2004	
	C10	6,809,356	B2	Chou	10/26/2004	
	C11	2004/0197843	A1	Chou et al.	10/7/2004	
	C12	2004/0156108	A1	Chou et al.	8/12/2004	
	C13	2004/0137734	A1	Chou et al.	7/15/2004	
	C14	2004/0131718	A1	Chou et al.	7/8/2004	
	C15	2004/0116809	A1	Chou et al.	6/24/2004	
	C16	2004/0046288	A1	Chou	3/11/2004	
ACW	C17	2003/0080472	A1	Chou	5/1/2003	
ACW	C18	2003/0034329	A1	Chou	2/20/2003	

Examiner
Signature*AMC Walke*Date
Considered*June 8, 2005*

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Sheet	2	of	5		

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
MW	C19	2002/0042027	A1	Chou et al.	4/11/2002	
	C20	5,594,042		Glover et al.	1/14/1997	
	C21	5,629,095		Bujanowski et al.	5/13/1997	
	C22	5,861,467		Bujanowski et al.	1/19/1999	
	C23	5,331,020		Brown et al.	7/19/1994	
	C24	4,617,238		Crivello et al.	10/14/1986	
	C25	6,580,172	B2	Mancini et al.	6/17/2003	
	C26	11/012,374		Xu et al.	12/15/2004	
	C27	4,512,848		Deckman et al.	4/23/1985	
	C28	6,517,995	B1	Jacobenson et al.	2/11/2003	
	C29	2004/0110856	A1	Young et al.	6/10/2004	
	C30	11/068,174		Xu et al.	2/28/2005	
	C31	5,028,366		Harakal et al.	7/2/1991	
	C32	5,601,641		Stephens	2/11/1997	
	C33	5,849,209		Kindt-Larsen et al.	12/15/1998	
	C34	5,849,222		Jen et al.	12/15/1998	
↓						
MW						

Examiner Signature		Date Considered	June 8, 2005
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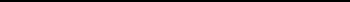
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<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				<p>Complete if Known</p>	
				<p>APPLICATION NUMBER</p>	10/763,885
				<p>FILING DATE</p>	01/23/2004
				<p>FIRST NAMED INVENTOR</p>	Xu et al.
				<p>Group Art Unit</p>	1752
				<p>Examiner Name</p>	Walke, Amanda C.
Sheet	3	of	5	Attorney Docket Number	P113-55-03

FOREIGN PATENT DOCUMENTS

		FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				

Examiner Signature		Date Considered	June 8, 2005
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT					
(use as many sheets as necessary)					
Sheet	4	of	5	Examiner Name	Walke, Amanda C.
				Attorney Docket Number	P113-55-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

<i>AM</i>	C41	Colburn et al., Step and Flash Imprint Lithography for sub-100 nm Patterning, Proceedings of SPIE Vol. 3997, pp. 453 - 457, 1/1/2000	
	C42	Papirer et al., The Grafting of Perfluorinated Silanes onto the Surface of Silica: Characterization by Inverse Gas Chromatography, Journal of Colloid and Interface Science 159, pp.238-242, 8/1/1993	
	C43	Chou et al., Nanoimprint Lithography, Journal of Vacuum Science Technoloy B 14(16), pp. 4129-4133, 11/1/1996	
	C44	Colburn et al., Development and Advantages of Step-and-Flash Lithography, Solid State Technology, 7/1/2001	
	C45	Colburn et al., Characterization and Modeling of Volumetric and Mechanical Properties for Step and Flash Imprint Lithography Photopolymers, Journal of Vacuum Science Technology. Vol b. 19(6), 11/1/2001	
	C46	Yu et al., Properties of Fluorinated Amorphous Diamond Like Carbon Films by PECVD, Applied Surface Science 219 (3-4); pp. 228-237, 12/1/2003	
	C47	Compon et al., Electroanalysis at Diamond-Like and Doped-Diamond Electrodes, Electroanalysis 15(17); pp. 1349-1363, 9/1/2003	
	C48	Mansano et al., Protective Carbon Layer for Chemical Corrosion of Stainless Steel, Diamond and Related Materials 12 (3-7); pp. 749-752, 3/1/2003	
<i>AM</i>	C49	Butter et al., Production and Wetting Properties of Fluorinated Diamond-Like Carbon Coatings, Thin Solid Films, 311(1-2); pp. 107-113, 12/31/1997	

Examiner Signature	<i>A. C. Walke</i>	Date Considered	June 8, 2005
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Sheet	5	of	5	APPLICATION NUMBER	10/763,885
				FILING DATE	01/23/2004
				FIRST NAMED INVENTOR	Xu et al.
				Group Art Unit	1752
				Examiner Name	Walke, Amanda C.
				Attorney Docket Number	P113-55-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials* Cite No. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. T-2

<i>AN</i>	C50	Hakovirta et al., Heat Resistance of Fluorinated Diamond-Like Carbon Films, Diamond and Related Materials 10(8); pp. 1486-1490, 8/1/2001
	C51	Zhu et al., The Improvement of the Oxidation Resistance of TiAl Alloys by Fluorine Plasma-Based Ion Implantation, Surface and Coatings Technology 158; pp. 502-507, 9/1/2002
	C52	Yao et al., Structural, Mechanical and Hydrophobic Properties of Fluorine-Doped Diamond-Like Carbon Films Synthesized by Plasma Immersion Ion Implantation and Deposition (PIII-D), Applied Surface Science 230; pp. 172-178, 4/17/2004
	C53	Bailey et al., Step and Flash Imprint Lithography: Defect Analysis, Journal of Vacuum Science, B 19(6), pp. 2806-2810, 11/1/2001
	C54	Bailey et al., Step and Flash Imprint Lithography: Template Surface Treatment and Defect Analysis, Journal of Vacuum Science, B 18(6), pp. 3572-3577, 11/1/2000
<i>AN</i>	C55	Schneider et al., Stripes of Partially Fluorinated Alkyl Chains: Dipolar Langmuir Monolayers
<i>AN</i>	C56	Bender et al., Multiple Imprinting in UV-based Nanoimprint Lithography: Related Material Issues, Microelectronic Engineering 61 - 62, pp. 407 – 413, 1/1/2002

Examiner Signature		Date Considered	
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